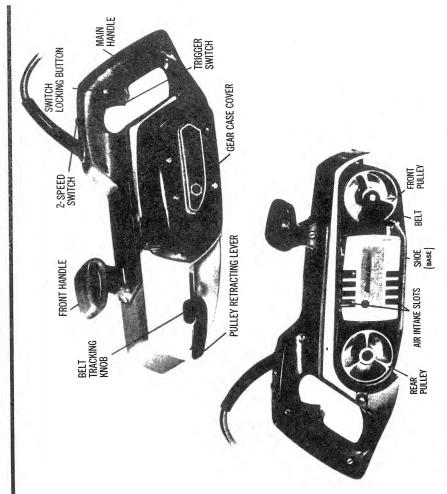


Black & Decker POWER TOOLS



Black & Decker

OWNER'S MANUAL



BELT SIZE: 3" x 24"

BELT SPEED: High — 1250, Low — 1050 Feet per Minute SANDING SURFACE: 13.8 Sq. Inches

115 Volts A.C. 5.7 Amps. 3/4 H.P.

No. 4022-836 2-SPEED BELT SANDER THE BLACK & DECKER MFG. CO., TOWSON, MD. 21204, U.S.A.

Form No. 97746 AL



SAFETY RULES FOR POWER TOOLS

- ļ--KNOW YOUR POWER TOOL - Read owner's manual carefully. Learn its applications and limitations as well as the specific potential hazards peculiar to this
- N GROUND ALL TOOLS - UNLESS DOUBLE-INSULATED. If tool is equipped with must be attached to a known ground. Never remove third prong. If adapter is used to accommodate two-prong receptacle, the adapter wire three-prong plug, it should be plugged into a three-hole electrical receptacle.
- ω KEEP GUARDS IN PLACE and in working order
- 4 KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents
- Çī AVOID DANGEROUS ENVIRONMENT. Don't use power tool in damp or locations. And keep work area well lit wet
- 6 KEEP CHILDREN AWAY. All visitors should be kept safe distance from work area
- 7. STORE IDLE TOOLS. When not in use, tools should be stored in dry, high locked-up place — out of reach of children o
- 00 DON'T FORCE TOOL. It will do the job better and safer at the rate it was designed. for which
- 9 USE RIGHT TOOL. Don't force small tool or attachment to heavy duty tool do the g 으
- 10. WEAR PROPER APPAREL. No loose clothing or jewelry to get caught in moving parts. Rubber gloves and footwear are recommended when working outdoors
- j-d j-d tion is dusty USE SAFETY GLASSES with most tools. Also face or dust mask if cutting opera
- 12 DON'T ABUSE CORD. Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
- ū SECURE WORK. Use clamps or a vise to hold work. It's safer than using hand and it frees both hands to operate tool. your

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- 4 DON'T OVERREACH. Keep proper footing and balance at all times
- 15 MAINTAIN TOOLS WITH CARE. Keep tools sharp at all times, and clean for best accessories and safest performance. Follow instructions for lubricating and changing
- 16 DISCONNECT TOOLS. When not in use, before servicing; when changing sories such as blades, bits, cutters, etc. acces.
- 17. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- 00 AVOID ACCIDENTAL STARTING. Don't carry plugged in tool with finger on switch

GUARANTEE

Black a Backer will correct, without charge, any defect AT ANY TIME which, upon examination at one of our Factory Service Branches, Authorized Service Stations, or Factories, is found to be due to faulty material or workmanship. The guarantee does not apply in cases of misuse or careless handling or where repairs or replacements have been made or attempted by others. Any transportation charges for delivering the unit for examination must be prepaid.

IF THE TOOL WON'T RUN

something wrong with the tool, don't attempt any major repair on your own. Take it or send it the nearest Service location shown below for repair. A free parts diagram of your B&D tool available by writing the Black & Decker Factory Service Center nearest you. panel for blown fuses. First, check the outlet by plugging in another tool or lamp. If these don't work, check the service current is present, check plugs and sockets for tight fits. If there

FACTORY SALES & SERVICE BRANCHES



9	BLACK & DECKER MFG.	BLACK & I
SIM	HU 3-1076	NEW JERSEY: Newark 07104, 868 Broadway201
۶ ۱	0122.6	NEBRASKA: Omaha 68102 2218 Leavenworth Street 402
WAS		MISSOURI: Kansas City 64108, 2705 McGee Trafficway 816
20;	TA 3-5283	MINNESOTA: Minneapolis 55408, 2815 Nicollet Ave 612
Z R R	527-5010	Grand Rapids 49509, 3662 Clyde Park Ave. S.W. 616
ATU	534-8880	MICHIGAN: Detroit 48219, 18133 W. McNicholas Rd313
S	ST 2-6264	MASSACHUSETTS: Boston 02135, 12 Market St. (Brighton), 617
Į	779-3808	Bladensburg 20710, 4501 Baltimore Avenue 301
0	HO 7-7411	MARYLAND: Baltimore 21211, 203 West 28th Street 301
TEX	522-2544	LOUISIANA: New Orleans 70112, 2010 Poydras Street 504
Z	366-1495	KENTUCKY: Louisville 40209, 4407 Park Blvd502
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Soc	CH 4-7257	IOWA: Des Moines 50312, 2811 Ingersoil Ave
RHO	425-4269 632-5569	Indianapolis 46207, 1125 W. 16th Street
יי	788-1744	Rock Island 61201, 725 30th Street
	BE 3.6832	Chicago 60643, Beverly Hills, 10708 S. Western Ave. 312
PEN	TA 9-3500	Chicago 60646, Lincolnwood, 6710 N. Crawford Ave. 312
ORE	569-374	HAWAII: Honolulu 96813, 675 Auahi Street
- G	JA 4-0431	GEORGIA: Atlanta 30313, 316 Techwood Drive, N.W404
2 -	839-5323	Tampa 33609, 3041 J. F. Kennedy Blvd813
ı ço	A23-1651	Orlando 32806, 940 So. Orange Ave. 305
00	356-2951	FLORIDA: Jacksonville 32208, 5224 Pearl Street904
າດ	249-6241	CONNECTICUT: Hartford 06114, 131 Meadow Street203
오	222-0621	COLORADO: Denver 80204, 675 Kalamath St
ຄ	241-9162	Santa Clara 95050, 2291 The Alameda
, Z	AT 1-3331	San Diego 92105, 3811 El Cajon Blvd
ď	444-3188	Sacramento 95814, 1915 Seventeenth Street
20:	RI 9-0371	Oakland 94606, 1107 F. 14th St. Mr. 150 Aug. 1150 Aug. 1
zz	772-4050	CALIFORNIA: Anaheim 92802, 1235 So. Euclid Ave714
zz	FR 2-3040	ARKANSAS: Little Rock 72201, 519 West Seventh Street 501
NEV	AL 8-1332	ARIZONA: Phoenix 85004, 537 E. McDowell Rd602
ΝEV	324-6691	ALABAMA: Birmingham 35233, 1717 Third Ave., South205
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AUTHORIZED SERVICE STATIONS		ng Plaza (972 Hamilton Rd.) 7865 St. Lawrence Blvd.	11440 Ave.—142 Street 803 McLean Street	1003 11th Avenue, S.W.	BLACK & DECKER MFG. CO., Limited, Canada
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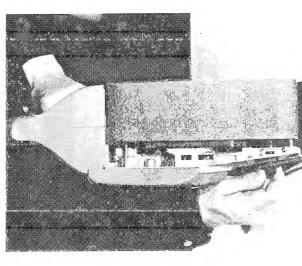
ALABAMA: Montgomery ALASKA: Anchorage, Fairbanks ARIZONA: Tucson CALIFORNIA: Fresno, Stockton

CONNECTICUT: New Haven DELAWARE: Wilmington FLORIDA: Pensacola IDAHO: Boise, Lewiston

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BELT TRACKING ADJUSTMENT

Before sanding with a new belt, plug in the tool and hold it in the position shown in figure at right. Depress the switch and note whether the belt "tracks" evenly, keeping its outer edge flush with the outer edge of the shoe. If the belt starts to deviate from a straight track, rotate the Tracking Adjustment Knob slightly forward or backward until belt tracks evenly. When sanding, occasionally check to see if belt is tracking properly and adjust when necessary.



OPERATION

Start the tool with the belt off of the work. Hold both handles firmly and begin your initial sanding stroke as the tool contacts the work. Keep the Sander moving to insure even sanding, and, in most cases, the weight of the tool provides sufficient pressure for proper sanding. Lift the Sander from the work before turning tool "OFF" to prevent gouging. High speed operation can be used for fast removal of material. Low speed is recommended for a final smooth finish.





SAFETY WITH BELT SANDERS

- Before changing belts, or at any time the tool is not actually being used, be sure that the trigger switch is in the "OFF" position and that the cable is unplugged from the power supply.
- Before plugging in the cable, be sure that the trigger switch is in the "OFF" position.
- When starting or stopping the Sander hold the tool off of the work surface to prevent it from "running away" or gouging.
- 4. Use correct size belts 3" x 24".

GROUNDING

EVERY ELECTRIC TOOL SHOULD BE GROUNDED while in use to protect the operator against shock. This unit is equipped with approved 3-conductor cord and 3-blade grounding type attachment plug to be used with the proper grounding type receptacle. The green colored conductor in the cord is the grounding wire. Never connect the green wire to a "live" terminal. If your unit requires less than 150 volts, it has a plug that looks like fig. "A". A special grounding adapter (Fig. "B") is available from your dealer to permit using 2-wire receptacle until the correct receptacle is properly installed. The green grounding wire extending from the side of the adapter must be connected to a PERMANENT GROUND such as a properly grounded outlet box. If the unit requires from 150 to 250 volts it has a plug like Figure "C". No adapter is available and it should be used in the proper standard matching 3-wire grounding receptacle.









CABLE

When using the tool at a considerable distance from power source, a properly grounded extension cable of adequate size must be used to prevent loss of power and over-heating. Use table at right for 115 Volt tools.

Ext. cable length in feet . . 25 50 75 100 150 200 Require size

wire size (A.W.G.) in cable .. 18 16 14 12 12 10



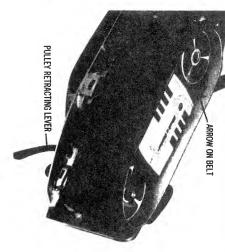
SWITCHES

PRACTICE THE FOLLOWING BEFORE PLUGGING TOOL INTO POWER SUPPLY:

- 1. Pulling the Trigger Switch turns the motor "ON" and puts the belt in motion. Releasing the Trigger turns the motor "OFF" and stops the belt.
- Ņ To lock the motor "ON" for continuous sanding -
- Depress and hold in the Locking Button.
- (a) Pull and hold back the Trigger.(b) Depress and hold in the Lockin(c) Release Trigger and release Loc Release Trigger and release Locking Button and tool will stay "ON".
- <u>a</u> To turn tool "OFF," pull and release Trigger.
- ω 2-Speed Switch is located on top of handle. Push forward for high speed, push tion. High speed 1250 feet per minute, low speed 1050 feet per minute. back for low speed. Switch position may be changed while motor is in opera-
- Always lift the Sander so that the belt is free from contact with any material before turning the tool "ON." This will prevent a sudden forward "jump" of the tool as the belt begins to move.

CHANGING BELTS

- 1. UNPLUG TOOL FROM POWER
- Ņ Pull out the Pulley Retracting sion on the belt. Lever which releases the ten-
- ω The worn belt can then be slipped off the pulleys and be points in the direction around the pulleys as shown. the arrow stamped on the belt figure at right. Be sure that replaced by a new one. See
- The outer edge of the new belt Push Pulley Retracting Lever back in close to the tool. should be lined up flush with the outer edge of the shoe.
- Ģ Adjust for proper belt tracking as follows on next page





BELT SANDER CARE œ CLEANING

require any relubrication. All bearings in your Belt Sander are of the sealed-lubricant type and do not

and a thorough cleaning and inspection. tool to your nearest B&D Service Center for possible motor-brush replacement notice heavy sparking through the air intake slots, immediately take or send the If you notice the tool motor running slower than usual or losing power; or, vacuum cleaner nozzle, will keep your tool running cooler and more efficiently. Frequent cleaning of all accessible areas in and around the housing, with a you

COMMUTATOR AND BRUSHES

grooved, send tool to our nearest service station for repair. freely in guides. Inspect commutator for dirt and excessive wear. If dirty or rough, cient pressure to hold brush against commutator. Keep brushes clean and sliding are worn down to the identifying letter or groove or when spring exerts insuffican be lowered providing access to the motor brushes. Replace when brushes of this cover. The name plate will act as a hinge, and the top half of the cover certain cable is unplugged from power supply. Remove the two screws at the top cover, to which the name plate is secured, on the flush side of the sander. Make clean lightly with very fine sandpaper (NOT emery cloth). If badly worn or Inspect carbon brushes often. The brushes are located under the motor housing

3" x 24" SANDING BELTS

Decker and other make Belt Sanders using a 3" x 24" belt. These Belts are precision made, cut and bonded for accurate fit. Use on Black &

V (1)	
C58367 C58369 C58371 C58373 C58375 C58377 C58377	C58368 C58370 C58372 C58374 C58376 C57378 C58380
24 coarse 36 coarse 40 coarse 50 medium 60 medium 80 medium 100 fine	36 coarse 40 coarse 50 medium 60 medium 80 medium 100 fine 120 fine
OPEN COAT ALUMINUM OXIDE for removing lacquer, paint or varnish. Also for green or resinous wood.	CLOSED COAT ALUMINUM OXIDE for unfinished or new wood, ferrous metal, non-ferrous metals (aluminum, lead, copper, solder).

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